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PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: IVAN S. KAVRUKOV COOPER & DUNHAM LLP	PCT			
1185 AVENUE OF THE AMERICA NEW YORK, NY 10036	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL			
. DEC 1 4	SEARCHING AUTHORITY, OR THE DECLARATION (PCT Rule 44.1)			
	Date of mailing			
DJ.	(day/month/year) 10 DEC 2004			
Applicant's or agent's file reference 269272616PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/US04/19488	International filing date (day/month/year) 18 June 2004 (18.06.2004)			
Applicant				
U-SYSTEMS, INC.				
The applicant is hereby notified that the international search Authority have been established and are transmitted herewall.	th report and the written opinion of the International Searching ith.			
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the clai	ms of the international application (see Rule 46):			
When? The time limit for filing such amendments is r search report.	normally two months from the date of transmittal of the international			
Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: +41 22 740 14 35				
For more detailed instructions, see the notes on the acc	companying sheet. No other pending US apps.			
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.				
3. With regard to the protest against payment of (an) additio	· ·			
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.				
no decision has been made yet on the protest; the appli				
4. Reminders				
Shortly after the expiration of 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.				
The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.				
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.				
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.				
See the Annex to Form PCT/IB/301 and, for details about the a Guide, Volume II, National Chapters and the WIPO Internet site.	pplicable time limits, Office by Office, see the PCT Applicant's			
Name and mailing address of the ISA/ US	Authorized officer			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	Ali Imam Shejla H. Veney			
P.O. Box 1450 Alexandria, Virginia 22313-1450	Paralegal Specialist			
Facsimile No. (703) 305-3230	Telephone No. 703-308-1148Tech. Center 3700			

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 269272616PCT	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.		
International application No. PCT/US04/19488	International filing date (day 18 June 2004 (18.06.2004)	y/month/year)	(Earliest) Priority Date (day/month/year) 20 June 2003 (20.05.2003)	
Applicant U-SYSTEMS, INC.				
This international search report consists It is also accompanied	transmitted to the Internati	onal Bureau.	ithority and is transmitted to the applicant in this report.	
 Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
2. Certain claims were found 3. Unity of invention is lacking 4. With regard to the title, the text is approved as submitthe text has been established	unsearchable (See Box No. 1 g (See Box No. III) tted by the applicant.	1)		
	according to Rule 38.2(b), by the date of mailing of this intublished with the abstract is I	ernational search	s it appears in Box No. IV. The applicant report, submit comments to this Authority.	
as selected by this Au	athority, because the applican	-	-	

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT	International application No. PCT/US04/19488
Continuation of B. FIELDS SEARCHED Item 3:	
EAST search terms: ultrasound, mammograph, hand-held, operating mode	
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Form PCT/ISA/210 (extra sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/19488

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IPC(7)	SSIFICATION OF SUBJECT MATTER : A61B 8/00				
US CL	: 600/437		LIDG		
	International Patent Classification (IPC) or to both DS SEARCHED	national classification and	d IPC		
Minimum doo	cumentation searched (classification system follows	dhadaataa 1			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 600/407-472; 128/916, 898, 920					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet					
C. DOCU	IMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where	appropriate, of the releva	ant passages	Relevant to claim No.	
Α	US 5,479,927 A (SHMULEWITZ) 02 January 19	96 (02.01.1996), entire do	ocument.	1-20	
A	US 5,474,072 A (SHMULEWITZ) 12 December 1995 (12.12.1995), entire document.			1-20	
	· · · · · · · · · · · · · · · · · · ·				
	ocuments are listed in the continuation of Box C.	See patent far			
	ial categories of cited documents:	"T" later document p	ublished after the interr	national filing date or priority ion but cited to understand the	
"A" document de of particular	fining the general state of the art which is not considered to be relevance	principle or theo	ry underlying the inven	tion	
	ation or patent published on or after the international filing date	considered novel	ticular relevance; the cla or cannot be considered ent is taken alone	aimed invention cannot be d to involve an inventive step	
"L" document wh establish the p specified)	nich may throw doubts on priority claim(s) or which is cited to publication date of another citation or other special reason (as	"Y" document of part considered to inv	icular relevance; the cla	nimed invention cannot be when the document is	
'O" document refe	erring to an oral disclosure, use, exhibition or other means		ne or more other such d a person skilled in the a	ocuments, such combination	
priority date o		"&" document member	er of the same patent far	nily	
Date of the actua	Date of the actual completion of the international search Date of mailing of the international search report				
	004 (26.11.2004)	10	DEC 2004		
Name and mailing address of the ISA/US Authorized officer			1011		
	op PCT, Attn: ISA/US ssioner for Patents	مرتم Ali Imam	(She	if H. Verley	
P.O. Bo	ox 1450		Paral	egal Specialist	
Alexand acsimile No. (7	dria, Virginia 22313-1450 (03) 305-3230	Telephone No. 703-308	-1148 Tech	Center 3700	

Form PCT/ISA/210 (second sheet) (January 2004)

From the

INTERNATIONAL SEARCHING AUTHORITY

IVAN S. KAVRUKOV COOPER & DUNHAM LLP 1185 AVENUE OF THE AMERICA

WRITTEN OPINION OF THE

NEW YORK, NY 10036		INTERNATIONAL SEARCHING AUTHORITY		
		(PCT Rule 43bis.1)		1)
		Date of mailing (day/month/year)	10 DEC	2004
Applicant's or agent's file reference		FOR FURTHER	ACTION	
269272616PCT			See paragraph 2 below	
International application No.	International filing date	te (day/month/year) Priority date (day/month/year)		
PCT/US04/19488	18 June 2004 (18.06.200		20 June 2003 (20.06.2	2003)
International Patent Classification (IPC)	or both national classifica	tion and IPC		
IPC(7): A61B 8/00 and US Cl.: 600/437 Applicant				
U-SYSTEMS, INC.				
1. This opinion contains indications rel	ating to the following item	18:		
Box No. I Basis of the	opinion			
Box No. II Priority				
Box No. III Non-establis	shment of opinion with reg	gard to novelty, inver	ntive step and industrial	l applicability
Box No. V Reasoned strapplicability	atement under Rule 43bis.; citations and explanation	r Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial d explanations supporting such statement		
Box No. VI Certain docu	iments cited			
Box No. VII Certain defe	cts in the international app	application		
Box No. VIII Certain obse	Certain observations on the international application			
2. FURTHER ACTION				
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.				
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.				
For further options, see Form PCT/ISA/220.				
3. For further details, see notes to Form PCT/ISA/220.				
Name and mailing address of the ISA/ US		Authorized officer	21	Ja // energy
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	ļ	Ali Imam	Sheifa H.	Veney
P.O. Box 1450 Alexandria, Virginia 22313-1450		Telephone No. 702	Yaralegal S 208-1148 Toch Conf	ter 3700
Facsimile No. (703) 305-3230		Ali Imam Sheila H. Veney Paralegal Specialist Telephone No. 703-308-1148 Tech. Center 3700		

Form PCT/ISA/237 (cover sheet) (January 2004)



INTERNATIONAL SEARCHING AUTHORITY

International	application	No.

PCT/US04/19488

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
in written format
in computer readable form
c. time of filing/furnishing
contained in international application as filed.
filed together with the international application in computer readable form.
furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

Form PCT/ISA/237(Box No. I) (January 2004)



nternational	application	No.
CT/11004/1	0400	

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 1. Statement Novelty (N) YES Claims 1-20 Claims NONE NO Inventive step (IS)

Claims 1-20

Claims NONE NO

YES

Industrial applicability (IA) Claims 1-20 YES Claims NONE NO

2. Citations and explanations:

Claims 1-20 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a system and method for modifying a general purpose ultrasound system equipped with first and second ports comprising the steps or structures for coupling a hand-held probe to the first port, coupling a full-filled breast (FFBU) scanning apparatus, including probe driving hardware and associated circuitry, to the second port, establishing a data communication path between the circuitry and the ultrasound system, and programming the general purpose ultrasound system to accommodate a first operating mode in which the hand-held probe is operated in a conventional manner and signals therefrom are processed according to a conventional hand-held operation of the general purpose ultrasound system and a second operating mode in which the breast scanning probe is mechanically driven under control of the general purpose ultrasound system while signals therefrom are processed by the general purpose ultrasound system to generate FFBU breast image data.

Claims 1-20 meet the criteria set out in PCT Article 33(4), and thus meet industrial applicability because the subject matter claimed can be made or used in industry.

Form PCT/ISA/237 (Box No. V) (January 2004)

NOTESTO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

Notes to Form PCT/ISA/220 (first sheet) (July 1998; reprint April 2002)